

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

List of Claims:

1. (currently amended) A laser device for generating laser pulses with an optically pumped semiconductor laser (1), comprising:

an external resonator, ~~and~~

at least one mode-locker (10), and

a first pump radiation source which is monolithically integrated into the semiconductor laser and arranged to optically pump the semiconductor laser.

2. (currently amended) The laser device as claimed in claim 1, wherein the semiconductor laser (1) is optically pumped by means of a second pump radiation source (3) arranged externally.

3. (canceled)

4. (currently amended) The laser device as claimed in claim 1, wherein the mode-locker (10) is a passive mode-locker.

5. (currently amended) The laser device as claimed in claim 4, wherein the mode-locker (10) is a saturable absorber.

6. (original) The laser device as claimed in claim 5, wherein the mode-locker is a saturable absorber made of a semiconductor material.

7. (currently amended) The laser device as claimed in claim 1, wherein the mode-locker ~~(10)~~ is monolithically integrated into the semiconductor laser ~~(1)~~.

8. (currently amended) The laser device as claimed in claim 1, wherein the mode-locker ~~(10)~~ is combined with a resonator mirror ~~(9)~~.

9. (original) The laser device as claimed in claim 1, wherein the resonator has a device for phase compensation.

10. (original) The laser device as claimed in claim 1, wherein a device for phase compensation is arranged downstream of the resonator.

11. (currently amended) The laser device as claimed in claim 9, wherein the device for phase compensation has at least one of a prism ~~(14, 15, 16, 17)~~, a grating, a linear or chirped mirror ~~(19)~~, a lens ~~and/or~~ and an optical fiber.

12. (currently amended) The laser device as claimed in claim 11, wherein the resonator has a chirped folding mirror ~~(19)~~.

13. (original) The laser device as claimed in claim 1, wherein the resonator has a first resonator branch for generating laser pulses having a fundamental wavelength λ_1 and a second resonator branch for generating laser pulses having a fundamental wavelength λ_2 .

14. (currently amended) The laser device as claimed in claim 13, wherein the laser pulses having the fundamental wavelength λ_1 and the laser pulses having the fundamental wavelength $[[\lambda_1]] \lambda_2$ are coupled to one another in a phase-locked manner.

15. (currently amended) The laser device as claimed in claim 1, wherein the laser pulses have a pulse duration which is less than 100 ps, ~~preferably less than 20 ps, particularly preferably less than 1 ps.~~

16. (original) The laser device as claimed in claim 1, wherein the laser device is a laser oscillator.

17. (original) The laser device as claimed in claim 1, wherein the laser device is a laser amplifier.

18. (original) The laser device as claimed in claim 17, wherein the laser amplifier is a CPA amplifier.

19. (original) The laser device as claimed in claim 1, wherein said mode-locker is arranged in said external resonator.

20. (original) The laser device as claimed in claim 1, wherein a portion of the mode-locker is arranged internally and part is arranged externally of the semiconductor laser.

21. (new) The laser device as claimed in claim 15, wherein the pulse duration is less than 20 ps.

22. (new) The laser device as claimed in claim 21, wherein the pulse duration is less than 1 ps.

23. (new) A laser device for generating laser pulses with an optically pumped semiconductor laser, comprising:

an external resonator, and

at least one mode-locker,

wherein the resonator has a device for phase compensation.

24. (new) The laser device as claimed in claim 23, wherein the device for phase compensation is integrated into the semiconductor laser.